

Appendix D

Reports, Inventories and Plans

What follows is a list of selected documents and information sources related to natural resources (as well as how they are organized and potential conservation plans) in Wisconsin. This list is not intended to be comprehensive, but rather to provide an overall sense of the type of reports, inventories, and plans that have been conducted over the years and have influenced the selection of places in the Land Legacy Report.

Ecosystem & Area-based

Albert, D.A. 1995. *Regional Landscape Ecosystems of Michigan, Minnesota, and Wisconsin: a working map and classification*. General technical report NC-178. U.S. Department of Agriculture, U.S. Forest Service, North Central Forest Experiment Station, St. Paul, MN.

Avers, P.E., et al. 1993. *National Hierarchical Framework of Ecological Units*. U.S. Department of Agriculture, U.S. Forest Service, Washington, D.C.

Barry, G.R. et al. 2001. Evaluation of biodiversity value based on wildness: a study of Western Northwoods, Upper Great Lakes, USA. *Natural Areas Journal* 21:229–242.

Comer, P., et al. 2003. *Ecological Systems of the United States: a working classification of U.S. terrestrial systems*. NatureServe, Arlington, Virginia.

Ellefson, B.R., C.D. Mueller, and C.A. Buchwald. 2000. Water Use in Wisconsin, 2000. 1 over-size sheet. Open-file report 02-356, U.S. Geologic Survey.

Hole, F.D. and C.E. Germain. 1994. *The Natural Divisions of Wisconsin*. Map published by the Wisconsin Department of Natural Resources, Madison.

Lewis, P.H., Jr. 1964. Landscape Resource Inventory. Map series prepared for the Wisconsin Department of Resource Development, Madison.

Omernik, J.M. and A.L. Gallant. 1988. *Ecoregions of the Upper Midwest States*. Publication number EPA/600/3-88/037. U.S. Environmental Protection Agency, ERL, Corvallis, OR.

Southeastern Wisconsin Regional Planning Commission. 1997. *A Regional Natural Areas and Critical Species Habitat Protection and Management Plan for Southeastern Wisconsin*. SEWRPC, Waukesha.

The Nature Conservancy. 2002. *The Superior Mixed Forest Ecoregion: a conservation plan*. TNC, Great Lakes Program, Chicago.

The Nature Conservancy. 2001. *The Prairie-Forest Border Ecoregion: a conservation plan*. TNC, Wisconsin Chapter, Madison.

The Nature Conservancy. 2000. *Great Lakes Ecoregional Plan: a first iteration*. TNC Great Lakes Program, Chicago.

Wang, L., J. Lyons, and P. Kanehl. 1998. Development and evaluation of a habitat rating system for low-gradient Wisconsin streams. *Environmental Management* 18:775–785.

Wisconsin Academy of Sciences, Arts, and Letters. 2003. Waters of Wisconsin: the future of our aquatic ecosystems and resources. Wisconsin Academy of Sciences, Arts, and Letters, Madison.

Wisconsin Conservation Commission and State Planning Board. 1939. *A Park, Parkway, and Recreation Area Plan for Wisconsin*. Wisconsin Conservation Commission and State Planning Board, Madison.

Wisconsin Department of Natural Resources. 1995. *Wisconsin's Biodiversity as a Management Issue: a report to Department of Natural Resources Managers*. Wisconsin Department of Natural Resources, Madison.

Wisconsin Department of Natural Resources. 1998. *Upper Mississippi River & Great Lakes Region Joint Venture, Implementation Plan-Wisconsin*. Wisconsin Department of Natural Resources, Madison.

Wisconsin Department of Natural Resources. 2000. *Wisconsin Statewide Comprehensive Outdoor Recreation Plan 2000–2005*. Publication number PR-448-99. Wisconsin Department of Natural Resources, Madison.

Wisconsin Department of Natural Resources. 2000. *Wisconsin Water Quality Assessment Report to Congress*. Publication number WT-254-2003. Wisconsin Department of Natural Resources, Madison.

Wisconsin Department of Natural Resources. 2000. *Reversing the Loss: a strategy for protecting & restoring wetlands in Wisconsin*. Wisconsin Department of Natural Resources, Madison.

Wisconsin Department of Natural Resources. 1996. *Northern Wisconsin's lakes and shorelands: a report examining a resource under pressure*. Report to the Natural Resources Board.

Wisconsin Department of Natural Resources. 2002. Wisconsin's Fish and Wildlife 2000–2001 Annual Report. Publication number PUB-CE-259-2002. Wisconsin Department of Natural Resources, Madison.

Species-based

The documents listed below describe the status and distribution of different taxonomic groups from a statewide perspective. Countless other inventories have focused on particular areas (e.g., Lake Michigan basin or the Niagara Escarpment), habitat types (e.g., wetlands or southern forests), and particular or groups of species (e.g., forest-interior birds or warmwater fishes).

Vertebrates

Hay, R., et al. (eds). 1997. *The endangered and threatened vertebrate species of Wisconsin: status, distribution, and life history*. Wisconsin Department of Natural Resources, Madison.

Watermolen, D.J. and M.D. Murrell. 2001. Checklists of Wisconsin vertebrates. Publication number PUB-SS-954-2001. Wisconsin Department of Natural Resources, Madison.

Mammals

Jackson, H.T. 1961. *Mammals of Wisconsin*. University of Wisconsin Press, Madison.

Birds

Ewert, D. 1999. *Great Lakes bird ecoregional planning: a final report*. Unpublished report to The Nature Conservancy, TNC Great Lakes Program, Chicago.

Kumlien, L. and N. Hollister. 1903. *The Birds of Wisconsin*. Bulletin of the Wisconsin Natural History Society 2:1–143.

Robbins, S.D. 1991. *Wisconsin Birdlife: populations and distributions, past and present*. University of Wisconsin Press, Madison.

Robbins, S.D. et al. 1996. *The Breeding Bird Survey in Wisconsin: 1966–1991*. Passenger Pigeon 58:81–179.

Sample, D.W. and M.J. Mossman. 1997. *Managing habitat for grassland birds: a guide for Wisconsin*. Wisconsin Department of Natural Resources, Madison.

Temple, S.A. and J.R. Cary. 1997. *Wisconsin Birds: a seasonal and geographic guide*. 2nd ed. University of Wisconsin Press, Madison.

U.S. Fish and Wildlife Service. 1986. North American Waterfowl Management Plan. U.S. Department of the Interior, Washington, D.C.

Reptiles and Amphibians

Casper, G.S. 1996. *Geographic distributions of the amphibians and reptiles of Wisconsin: an interim report of the Wisconsin Herpetological atlas project*. Milwaukee Public Museum, Milwaukee.

Christoffel, R., R. Hay, and L. Ramirez. 2000. *Snakes of Wisconsin*. Publication number PUB-ER-100 00. Wisconsin Department of Natural Resources, Madison.

Vogt, R.C. 1981. *Natural history of amphibians and reptiles in Wisconsin*. Milwaukee Public Museum, Milwaukee.

Fishes

Becker, G.C. 1983. *Fishes of Wisconsin*. University of Wisconsin Press, Madison.

Fago, D. 1992. Distribution and relative abundance of fishes in Wisconsin. Summary Report, *Technical Bulletin* 175:1–378. Wisconsin Department of Natural Resources, Madison.

Greene, C.W. 1935. *The distribution of Wisconsin fishes*. State of Wisconsin Conservation Commission, Madison.

Lyons, J. 1996. Patterns in the species composition of fish assemblages among Wisconsin streams. *Environmental Biology of Fishes* 45:329–341.

Lyons, J., P.A. Cochrane, and D. Fago. 2000. *Wisconsin Fishes 2000: status and distribution*. Publication number WISCU-B-00-001. UW Sea Grant Program, Madison.

Invertebrates

Mathiak, H.A. 1979. *A river survey of the Unionid mussels of Wisconsin*, 1973–1977. Sand Shell Press, Horicon, WI.

Hilsenhoff, W.L. 1981. *Aquatic insects of Wisconsin*. Natural History Council Wisconsin, Madison.

Hobbs, H.H. and J.P. Jass. 1988. *The crayfishes and shrimp of Wisconsin*. Milwaukee Public Museum, Milwaukee.

Ebner, J.A. 1970. *Butterflies of Wisconsin*. Milwaukee Public Museum, Milwaukee.

Plants

Curtis, J.T. 1959. *The Vegetation of Wisconsin: an ordination of plant communities*. University of Wisconsin Press, Madison.

Finley, R.W. 1978. *The original vegetation cover of Wisconsin*. University of Wisconsin, Madison. 1 map.

Knapp, J.G. 1871. The Native Vegetation of Wisconsin. *Transactions of the Wisconsin State Horticulture Society* 1:119–125.

Wetter, M.A., et al. 2001. Checklist of the vascular plants of Wisconsin. *Technical Bulletin* 192. Science Information Services, Wisconsin Department of Natural Resources, Madison.

DNR Research reports

The DNR's Bureau of Science Services publishes a series of publications covering a wide range of natural resource and environmental topics as well as numerous fish and wildlife surveys in Wisconsin. See <http://www.dnr.state.wi.us/org/es/science/pubs/pubs.htm>.

Aquatic and Terrestrial Resources Inventory (ATRI)

The ATRI concept was formed in 1994 by DNR staff and external partners who recognized the need for decision makers to access and integrate various environmental information. After considerable analysis concerning the role and structure of ATRI, the program was established to develop an information system to acquire, integrate and disseminate information concerning inventories and data on aquatic and terrestrial natural resources. See <http://maps.botany.wisc.edu/atri/indexIE.htm>.

Basin plans

State of the Basin Reports are being prepared in each of the 23 watershed basins that cover Wisconsin. These plans are intended to provide a picture of the status of the basin's ecological resources and identify key areas for DNR work in the coming years. They are developed with partnership group participation and it is DNR's hope that partner groups and stakeholders will find the information provided and key issues identified helpful as they screen projects and plan work the coming years. See <http://www.dnr.state.wi.us/org/gmu/gmu.html>.

Public property management plans

Public land holding agencies (including federal, state, and county) typically develop long-term management plans for properties. Most plans are also updated on a periodic basis, as resources allow. These plans assemble and evaluate information on a wide array of natural resources, ecological and recreational trends, social and environmental needs, and opportunities. Many of these plans collect and analyze information about lands and waters outside of their immediate property boundary to ensure that management decisions incorporate appropriate regional context.